

Ted Wynne Engineering/Contractor, Inc.

417 WELSHWOOD DRIVE • SUITE 114 • NASHVILLE, TN 37211
PHONE: 615- 331-7660 • FAX: 615- 333-0764

August 24, 1999

Ms. Sharon Jordan
Tennessee Valley Authority
P.O. Box 1010
Muscle Shoals, Alabama 35662-1010

Re: Mt. Pleasant Middle School
Mt. Pleasant, Tennessee

This office performed a test on a 200 feet deep, 6 inch diameter vertical bore, backfilled with native tailings, August 19, 1999. The following data was derived from test data:

Thermal Conductivity	1.60 BTU/HR-F
Ground Temperature	61.0 F


We feel that based on our observation of the terrain, the above is representative of the area where field bores will be located for this project.

The driller's log is attached for your information.

Please let us know if any additional information is needed.

Sincerely,

TED WYNNE ENGINEERING CONTRACTORS, INC.


Ted Wynne, P.E.

jdh





TENNESSEE WATER WELL DRILLERS REPORT
DEPARTMENT OF ENVIRONMENT & CONSERVATION

THIS REPORT TO BE SUBMITTED BY DRILLER WITHIN 30 DAYS
AFTER COMPLETION OF DRILLING WATER WELL WITH REQUIRED FEE
TO: DIRECTOR, DIVISION OF WATER SUPPLY, 401 CHURCH ST.
L & C TOWER 6TH FLOOR, NASHVILLE, TENNESSEE 37243-1549

OFFICE USE ONLY

Well No. _____
Date Rec'd _____
Lat _____ Long _____
Update No. _____ Source _____

(1) WELL CONTRACTOR
Firm Name Henry Drilling & Pump Co. Lic. No. 227
Rig. Operator Fredrick Lancaster
Registration No. well #1

(8) WELL OWNER
Name Ted Wyne Phone No. _____
Address MT Pleasant Middle School

(2) WELL LOCATION
County maury Town mt pleasant
Driller Lot or Parcel No. _____
Map No. _____
Well is On Gray Ln. @ N. Louise St. Rd. Or St. _____
Approx. Miles N S E W From _____

(9) PROPOSED USE OF WELL
Residential ☐ Commercial ☐ Industrial ☐ Monitor ☐ Test ☐
Farm ☐ Irrigation ☐ Heat Pump ☐ Municipal ☐
Other ☒ Geo Thermal
(Specify) _____

(3) DRILLING METHOD
Air Rotary ☒ Mud Rotary ☐ Cable ☐
Auger ☐ Other ☐ (Specify) _____

(10) CASING
Type: Plastic ☐ Steel ☐ Galvanized ☐
Concrete ☐ Other ☐ (Specify) _____
Diameter _____ Inches Wall Thickness _____ Inches
Bottom _____ SDR # _____
Set At _____ Ft. Top Set _____ Feet Above Ground

(4) TYPE OF WORK
New Well ☒ Deepen ☐ Rework ☐ Set Pump ☐
Plug And Abandon ☐

(11) WELL FINISH
Open Hole ☐ Screen ☐ Slotted or Perf. Pipe ☐
From _____ Ft. To _____ Ft. Diameter _____ Inches
Type 3/4" ucp installed
Screen: Plastic ☐ Metal ☐ Gravel Pack From: _____ To: _____ Ft.

(5) WELL COMPLETION DATA
Date Completed 2/12/79 Static Level _____ Ft.
Total Depth 200 Ft. Total Yield 25 GPM Depth To Bedrock _____ Ft.

(12) BACK FILL MATERIAL
From To From To
Sand _____ Ft. Bentonite _____ Ft.
Cuttings 0 200 Ft. Cement _____ Ft.
Other ☐ Grout _____ Ft.
(Specify) _____ Ft.

(6) WATER-BEARING ZONES
DEPTH IN FT. GPM WATER QUALITY
130 25 _____

(7) FORMATION LOG
DEPTH IN FT. FROM TO DESCRIPTION
? 130 grey
130 190 brown
190 200 grey

(If additional space is needed, use back of form)

(13) WELL TEST
Tested By: Pumping ☐ Blowing ☐ Bailing ☐
Static _____ Pumping _____
Level _____ Ft. Level _____ Ft. After _____ Hrs. _____ Min.
Pumping _____ GPM Date _____
Development Time Prior To Test _____ Hrs. _____ Min.

(14) PUMP
Pump setter _____ Lic. No. _____
Pump Intake At _____ Ft. Date Set _____
Type: Sub ☐ Turbine ☐ Jet ☐ Cylinder ☐ Other ☐
Rated _____ Wiring _____
H.P. _____ Yield _____ GPM Size _____
Well and Pump Disinfected: Yes ☐ No ☐
Well Cap: Sanitary Seal ☐ Pitless Adapter ☐ Other ☐

(17) COMMENTS

(15) WATER QUALITY
Appearance: Clear ☐ Cloudy ☐ Dingy ☐ Muddy ☐
Odor: None ☐ Musty ☐ Sulfur ☐ Other ☐
Taste: Good ☐ Fair ☐ Bad ☐ Iron ☐
Analysis: Chemical ☐ Bacterial ☐ Radiological ☐
Analysis By _____

I certify that the above information is true and accurate to the best of my knowledge. Signed Fredrick Lancaster JR